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Modifying complex additive for asphalt binder

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Abstract

© 2016 Springer Science+Business Media New York.The effect of modifying complex additives on the physicochemical properties of asphalt is studied. It is shown that complex additives based on cellulose fibers with surfactants adsorbed on their surfaces possess a cross-linking effect and improve the heat and frost resistance of the asphalt binder and its adhesive and cohesive strength.

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Keywords

Cellulose fiber, Complex additive, Gravel-cement asphalt concrete, Modifier, Road asphalt, Stabilizer